UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/809,411	03/26/2004	Hiroshi Morisaki	119283	6808

25944 7590 11/23/2005	EXAMINER
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ALEXANDRIA, VA 22320	2645	

DATE MAILED: 11/23/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on _10 September 2004_.
2a) ☐ This action is **FINAL.**   2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) _1-14_ is/are pending in the application.
   4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) _1-14_ is/are rejected.
7) ☐ Claim(s) _____ is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.
10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
   Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
   Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☐ All   b) ☐ Some *   c) ☐ None of:
   1. ☐ Certified copies of the priority documents have been received.
   2. ☐ Certified copies of the priority documents have been received in Application No. _____.
   3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
   * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _09/10/04_.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Information Disclosure Statement

1.   The information disclosure statement (IDS) submitted on 9/10/2004 is in compliance

with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being

considered by the examiner.

Claim Rejections - 35 USC § 102

2.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3.   Claims 1-7,9-14 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent

Publication 2004/0174561 A1 to Fukunaga et al. *(hereinafter Fukunaga)*.

        With respect to claims 1,11-14, Fukunaga teaches a data processing system comprising

a main terminal device having one or more functions, and a sub terminal device connected to the

main terminal device and performs data communications therewith (Figure 1), wherein the main

terminal device comprises: a data storing unit that stores various types of data, and enables the ·

sub terminal device to recognize the data storing unit as an external storage device so as to

enable the sub terminal device to be accessible to the data storing unit (paragraph 84); a request

storage commanding unit that receives commands from an external source and stores request

data in the data storing unit, the request data being generated from the main terminal device for

requesting the sub terminal device to generate implementation data required for implementing

one or more functions (paragraphs 84,128); and a function implementing unit that executes a

process to implement a function based on the implementation data when the implementation data

is transmitted from the sub terminal device following a command by the request storage

commanding unit (paragraphs 83,133), and wherein the sub terminal device comprises: a data

generating unit that generates the implementation data when the request data is stored in the data

storing unit (paragraphs 81,84); and an implementation data transmitting unit that transmits the

implementation data generated by the data generating unit to the main terminal device

(paragraph 81).

Fukunaga also teaches the following system and processes embodied as a program and

stored in a storage medium (paragraphs 23,731,732). Fukunaga also teaches a program of

executing a process to implement the function of the main terminal device based on the

implementation data after the program of transmitting the implementation data is executed

(paragraph 83).

With respect to claim 2, Fukunaga teaches the data processing system according to

claim 1, wherein the implementation data transmitting unit transmits the implementation data

generated by the data generating unit to the main terminal device (paragraph 81) and directs the

implementation data to be stored in the data storing unit (paragraph 84), and the function

implementing unit executes a process to implement the function based on the implementation

data when the implementation data transmitted from the sub terminal device is stored in the data

storing unit (paragraph 83).

With respect to claim 3, Fukunaga teaches the data processing system according to claim 1, wherein the sub terminal device further comprises a request deleting unit that deletes the request data stored in the data storing unit after the data generating unit generates the implementation data (paragraph 555).

With respect to claim 4, Fukunaga teaches the data processing system according to claim 2, wherein the main terminal device further comprises an implementation data deleting unit that deletes the implementation data stored in the data storing unit after the function implementing unit executes the process to implement the function (paragraph 273).

With respect to claim 5, Fukunaga teaches the data processing system according to claim 1, wherein the main terminal device further comprises: an image communicating unit that transmits and receives image data via a network (paragraphs 83,84); and a printing unit that prints various images on a recording medium (paragraphs 81,84,87), wherein the request storage commanding unit stores the request data with the image data attached to the request data in the data storing unit when the image data is received by the image communicating unit, the implementation data being print data converted from the image data and having a data format that is printable by the printing unit, the request data being data for requesting generation of the implementation data (paragraphs 84,127); and the function implementing unit executes a printing process for images indicated by the print data by controlling the printing unit to print the images based on the implementation data when the implementation data is received from the sub terminal device after the command by the request recording command unit (paragraph 84); and wherein the data generating unit generates converted image data by converting the image data

attached to the request data to a data format requested by the request data when the request data

is stored in the data storing unit (paragraphs 84,145).

With respect to claim 6, Fukunaga teaches the data processing system according to

claim 1, wherein the main terminal device is connected to a network and performs data

communications therewith, the main terminal device further comprising: a data acquiring unit

that receives commands from an external source outside the main terminal device and acquires

external data inputted from the external source (paragraphs 81,84); and an external storage

commanding unit that stores the external data acquired by the data acquiring unit in the data

storing unit (paragraphs 81,84); wherein the request storage commanding unit stores the request

data with the external data attached to the request data in the data storing unit after the external

data is stored in the data storing unit, the implementation data being data converted from the

external data and having a data format that is transferable to the network, the request data being

data for requesting generation of the implementation data (paragraphs 84,127,145); and the

function implementing unit implements data communications in the data format by transmitting

the implementation data via the network when the implementation data is transmitted from the

sub terminal device after issuance of the command by the request storage commanding unit

(paragraph 84); and the data generating unit generates converted external data converted from

the external data attached to the implementation data to the data format requested by the request

data when the request data is stored in the data storing unit (paragraphs 84,127,145).

With respect to claim 7, Fukunaga teaches the data processing system according to

claim 6, wherein the main terminal device further comprises transmission specifying unit that

prompts a user to specify external data to be transmitted via the network from among external

data acquired by the data acquiring unit (paragraph 81), wherein the request storage commanding

unit stores the request data in the data storing unit when the external data has been specified by

the transmission specifying unit (paragraph 84).

With respect to claim 9, Fukunaga teaches the data processing system according to

claim 6, wherein the data acquiring unit receives user operations and scans a prescribed image to

acquire image data as the external data (paragraphs 264,730); and the request storage

commanding unit stores the request data in the data storing unit when the external data is stored

in the data storing unit (paragraphs 84,127).

With respect to claim 10, Fukunaga teaches the data processing system according to

claim 6, wherein the request data is data for requesting that the external data be converted to a

compressed data format (paragraphs 265,730).

4.   Claims 1,6&8 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent

Publication 2002/0082001 A1 to Tanaka et al. *(hereinafter Tanaka).*

With respect to claim 1, Tanaka teaches a data processing system comprising a main

terminal device having one or more functions, and a sub terminal device connected to the main

terminal device and performs data communications therewith (Figure 1), wherein the main

terminal device comprises: a data storing unit that stores various types of data, and enables the

sub terminal device to recognize the data storing unit as an external storage device so as to

enable the sub terminal device to be accessible to the data storing unit (paragraphs 40,41); a

request storage commanding unit that receives commands from an external source and stores

request data in the data storing unit, the request data being generated from the main terminal

device for requesting the sub terminal device to generate implementation data required for

implementing one or more functions (paragraphs 48,79-81); and a function implementing unit

that executes a process to implement a function based on the implementation data when the

implementation data is transmitted from the sub terminal device following a command by the

request storage commanding unit (paragraph 41), and wherein the sub terminal device

comprises: a data generating unit that generates the implementation data when the request data is

stored in the data storing unit (paragraphs 30,51,61); and an implementation data transmitting

unit that transmits the implementation data generated by the data generating unit to the main

terminal device (paragraphs 61,63).

With respect to claim 6, Tanaka teaches the data processing system according to claim

1, wherein the main terminal device is connected to a network and performs data

communications therewith (paragraph 29), the main terminal device further comprising: a data

acquiring unit that receives commands from an external source outside the main terminal device

and acquires external data inputted from the external source (paragraphs 53,61); and an external

storage commanding unit that stores the external data acquired by the data acquiring unit in the

data storing unit (paragraphs 33,39,53); wherein the request storage commanding unit stores the

request data with the external data attached to the request data in the data storing unit after the

external data is stored in the data storing unit, the implementation data being data converted from

the external data and having a data format that is transferable to the network, the request data

being data for requesting generation of the implementation data (paragraphs 33,53,61,80); and

the function implementing unit implements data communications in the data format by

transmitting the implementation data via the network when the implementation data is

transmitted from the sub terminal device after issuance of the command by the request storage

commanding unit (paragraph 80); and the data generating unit generates converted external data

converted from the external data attached to the implementation data to the data format requested

by the request data when the request data is stored in the data storing unit (paragraphs 60,72,82).

With respect to claim 8, Tanaka teaches the data processing system according to claim

6, wherein the main terminal device has a function for implementing a voice call based on voice

signals inputted and outputted via the network (paragraphs 33,49,51); and the data acquiring unit

receives commands from an external source and begins and ends the acquisition of voice signals

inputted and outputted via the network as the external data (paragraphs 33,49).

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

6. The factual inquiries set forth in *Graham* v. *John Deere Co.*, 383 U.S. 1, 148 USPQ 459

(1966), that are applied for establishing a background for determining obviousness under 35

U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

7. **Claim 8** is rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent

Publication 2004/0174561 A1 to Fukunaga et al. *(hereinafter Fukunaga)* in view of U.S. Patent

Publication 2002/0082001 A1 to Tanaka et al. *(hereinafter Tanaka)*.

Fukunaga teaches the data processing system according to claim 6. Fukunaga fails to specifically mention the main terminal device has a function for implementing a voice call based on voice signals inputted and outputted via the network; and the data acquiring unit receives commands from an external source and begins and ends the acquisition of voice signals inputted and outputted via the network as the external data.

In the same field of endeavor, Tanaka teaches a similar system wherein the main terminal device has a function for implementing a voice call based on voice signals inputted and outputted via the network (paragraphs 33,49,51); and the data acquiring unit receives commands from an external source and begins and ends the acquisition of voice signals inputted and outputted via the network as the external data (paragraphs 33,49).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to use a terminal device with a function for implementing a voice call based on voice signals inputted and outputted via the network; and a data acquiring unit receives commands from an external source and begins and ends the acquisition of voice signals inputted and outputted via the network as the external data, so as to have a more versatile terminal device as exemplified by Tanaka (paragraphs 33,49,51).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Emeka D. Iwuchukwu whose telephone number is (571) 272-5512. The examiner can normally be reached on M-F (9AM - 5.30PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Fan Tsang can be reached on (571) 272-7547. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

OVIDIO ESCALANTE
PATENT EXAMINER

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